

FIG. 1

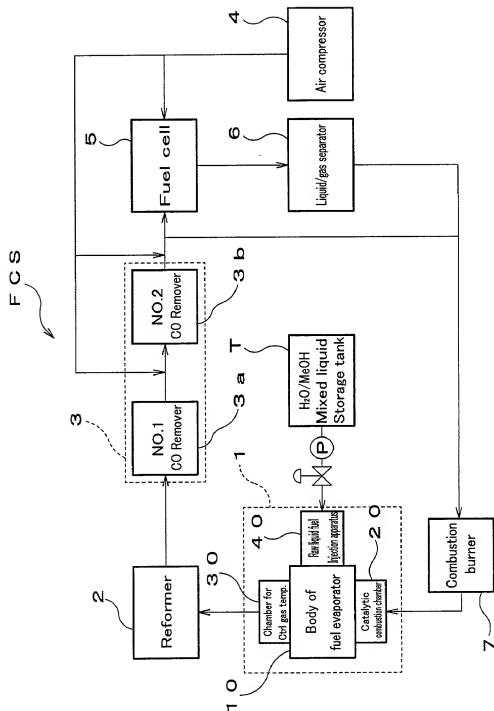


FIG.2

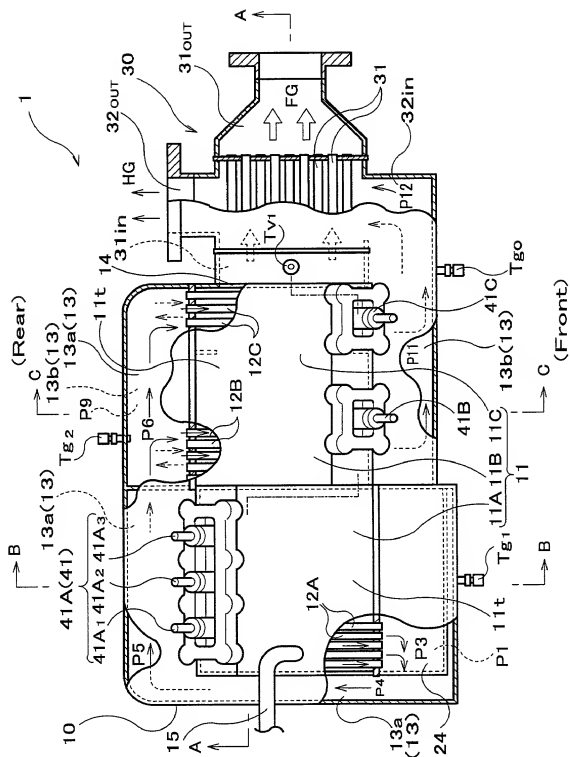


FIG. 5

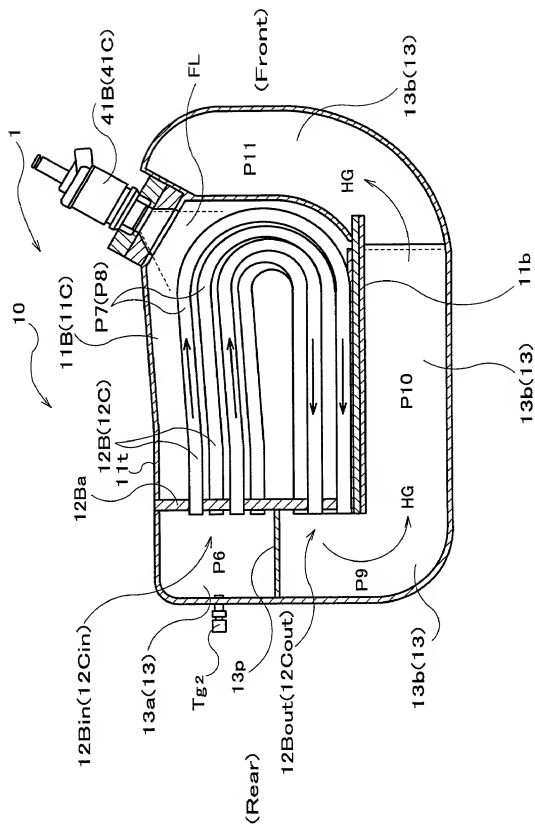


FIG.7

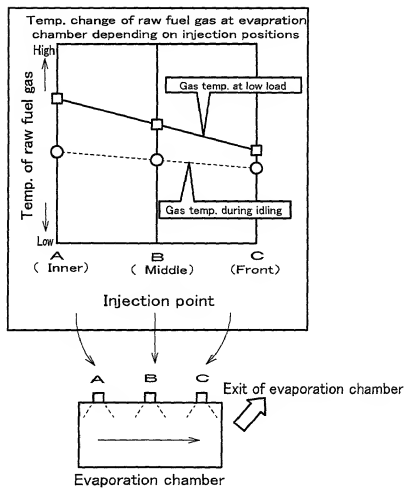
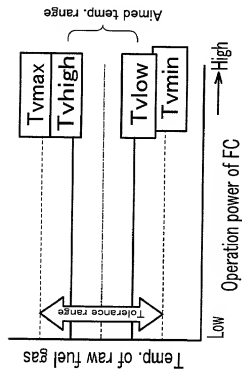


FIG. 8

(a)



(b)

Basic injection pattern

	INJECTOR NO				
	1	2	3	4	5
	41A1	41A2	41A3	41B1	41C
idle	OFF	OFF	ON	OFF	OFF
→	OFF	ON	ON	OFF	OFF
	ON	OFF	ON	OFF	OFF
	ON	ON	ON	OFF	OFF
	ON	ON	ON	OFF	OFF
WOT	ON	ON	ON	OFF	OFF

Low ← → High

Operation power of FC

FIG9

Stationary

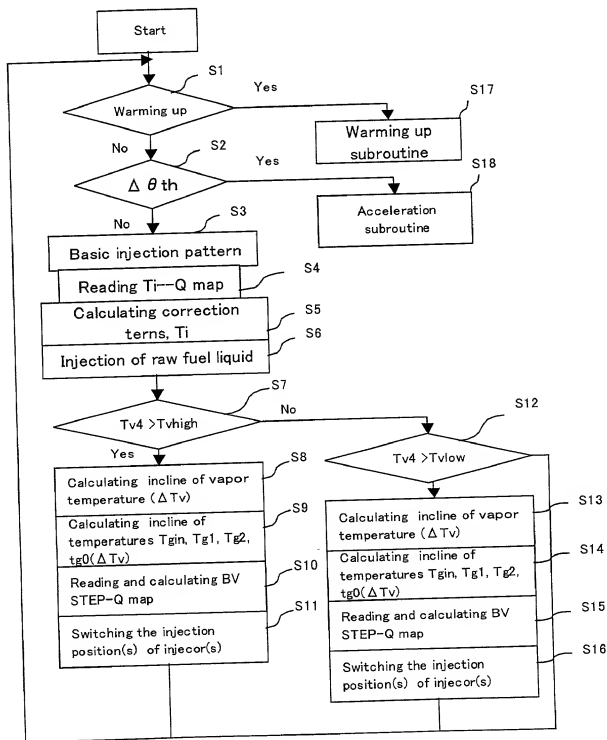


FIG10

Acceleration

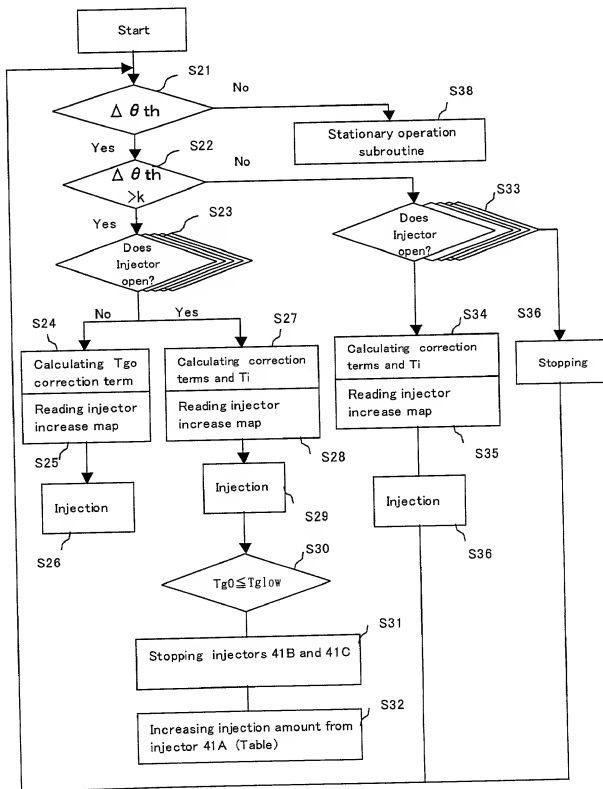


FIG. 11

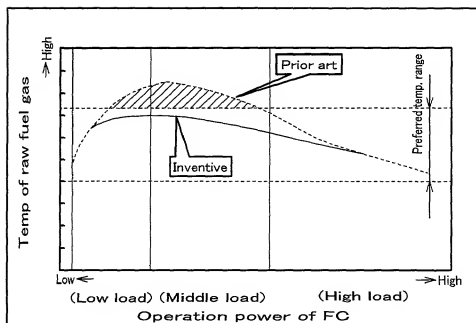


FIG. 12

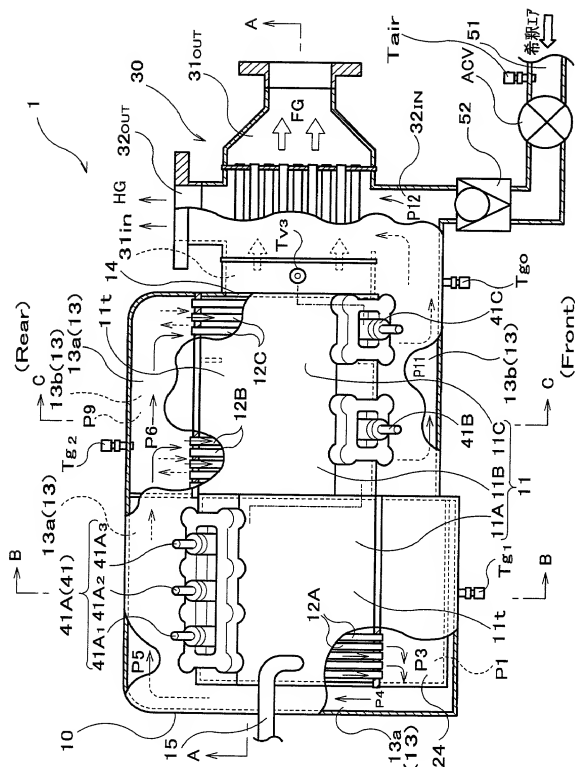


FIG.13

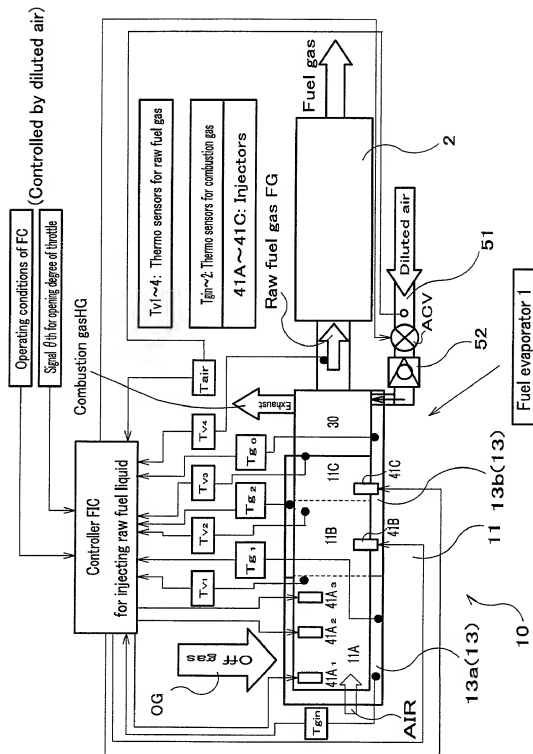


FIG14

Controlled by Diluted Air

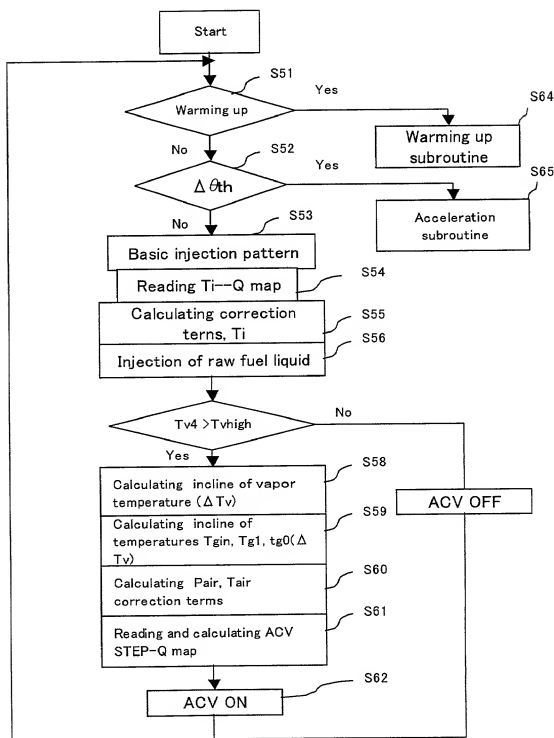


FIG. 15

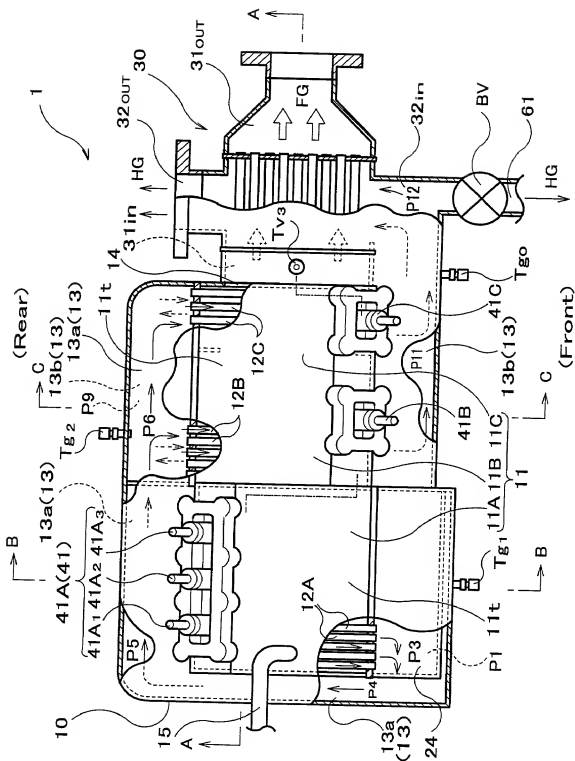


FIG. 16

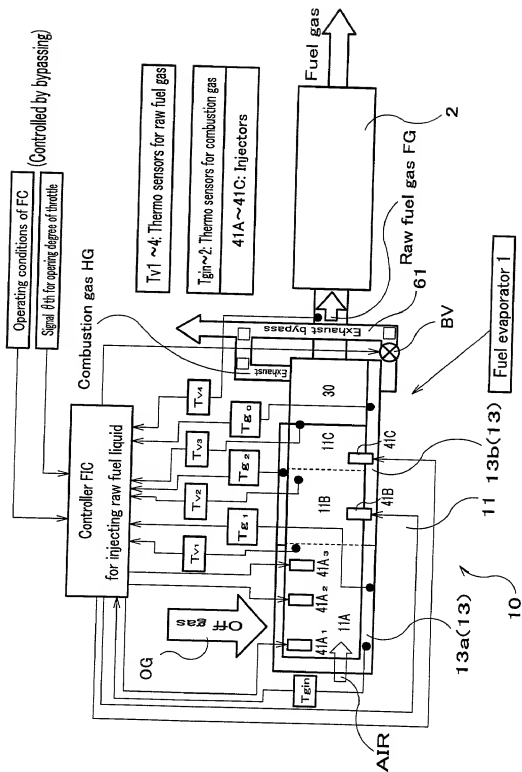


FIG17

Controlled by bypassing

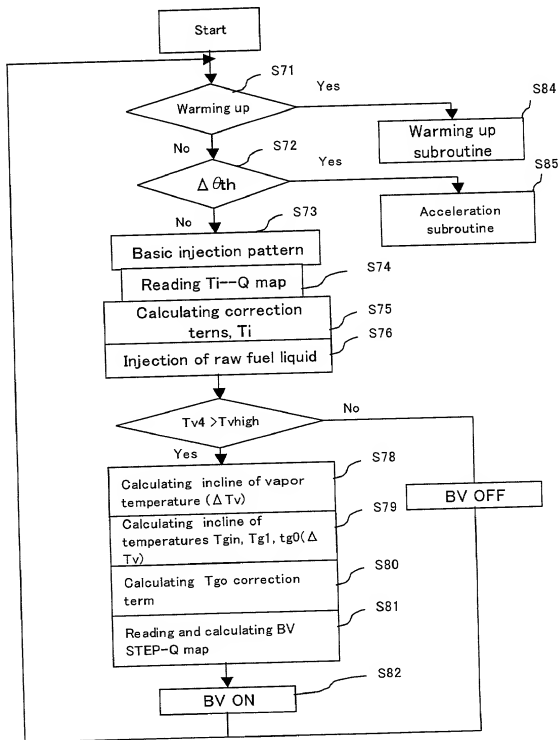


FIG. 19

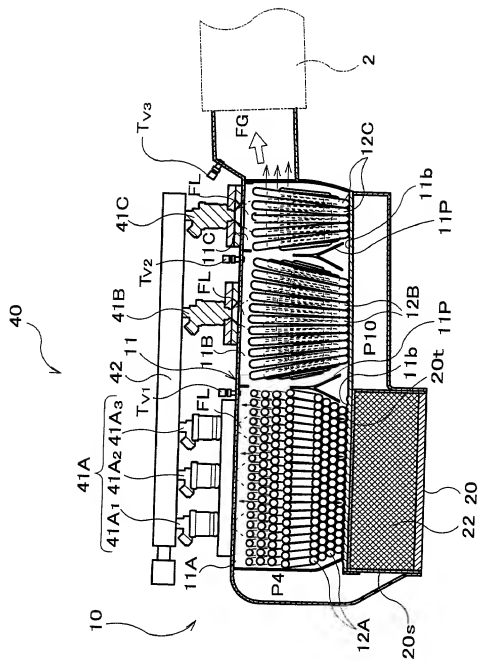


FIG.20

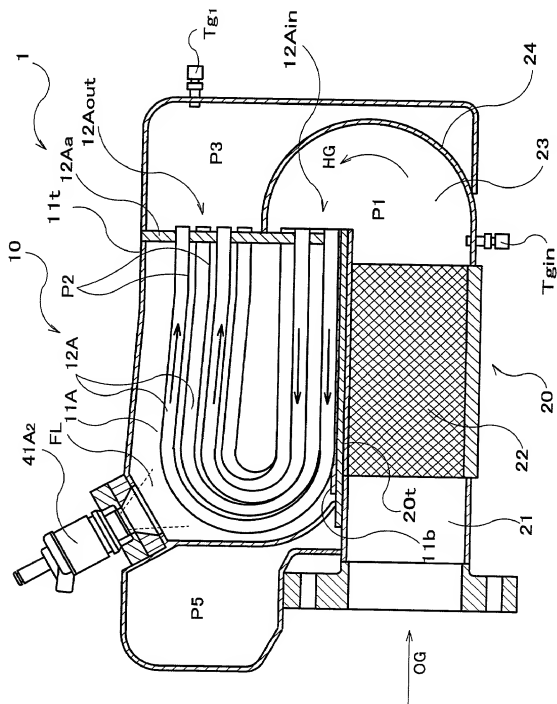


FIG.21

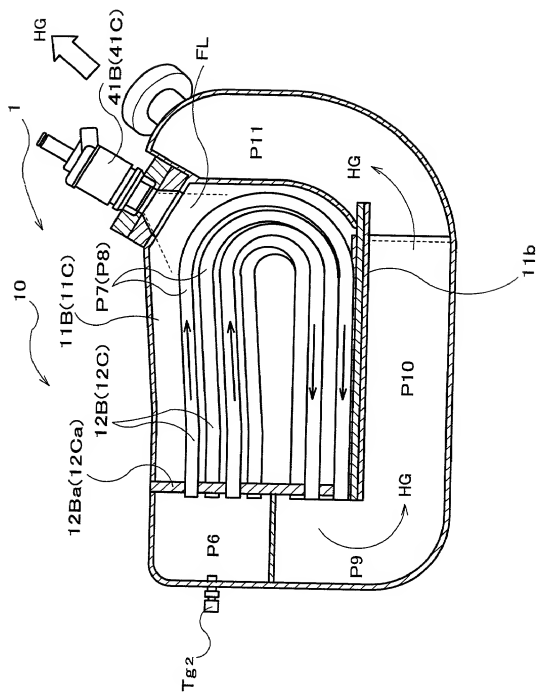


FIG.22

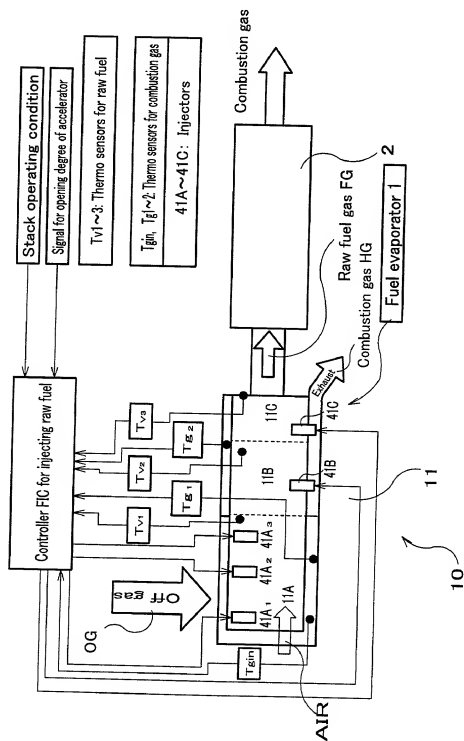


FIG 23

Stationary

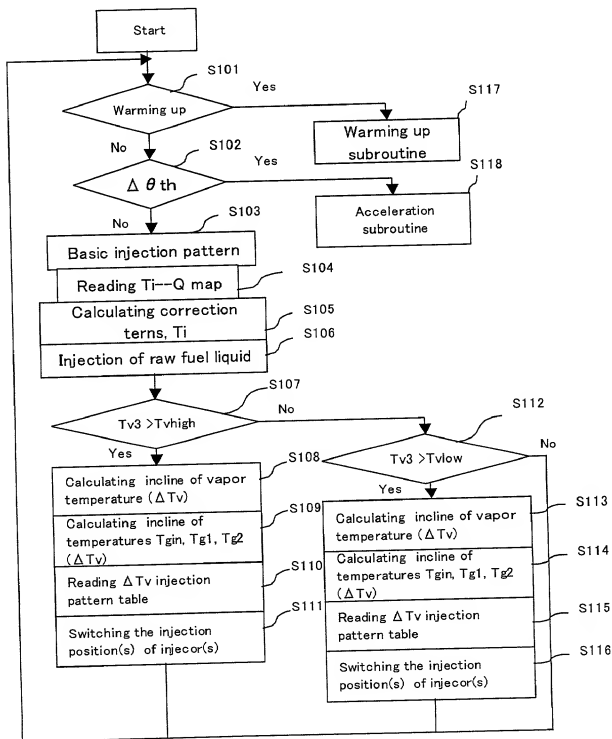


FIG 24

Acceleration

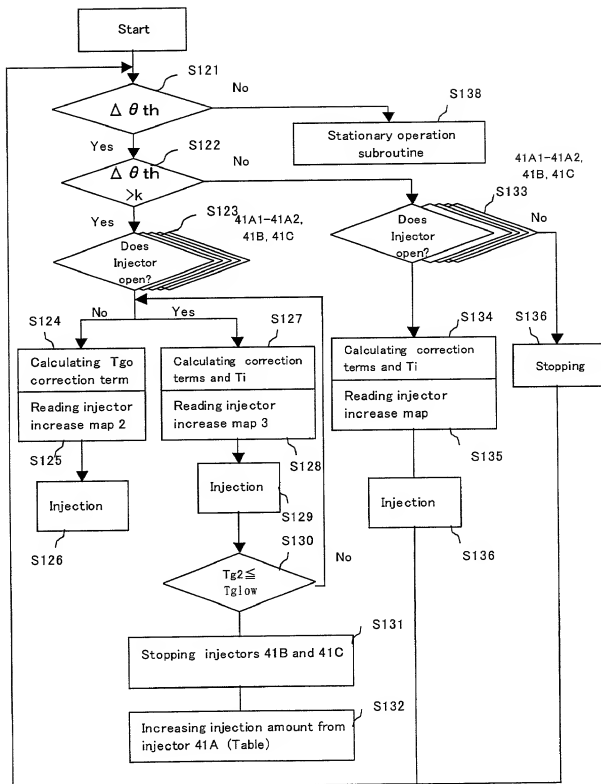


FIG.25

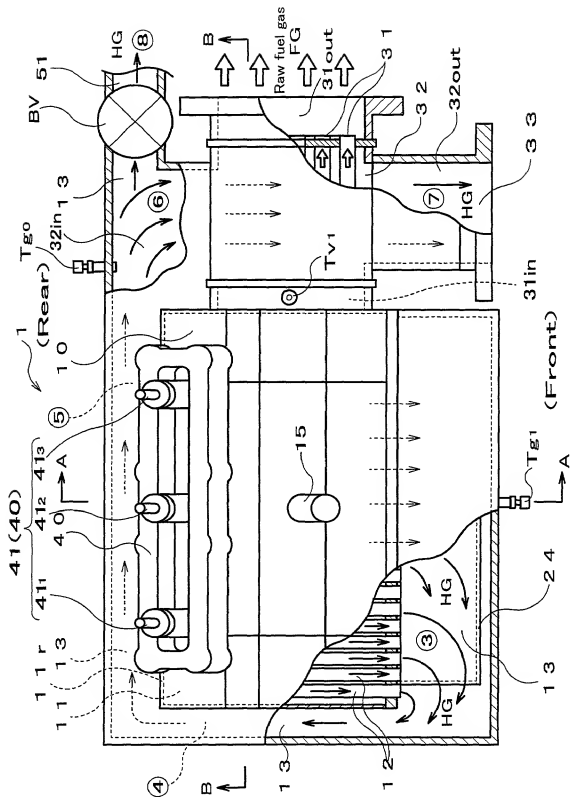


FIG. 26

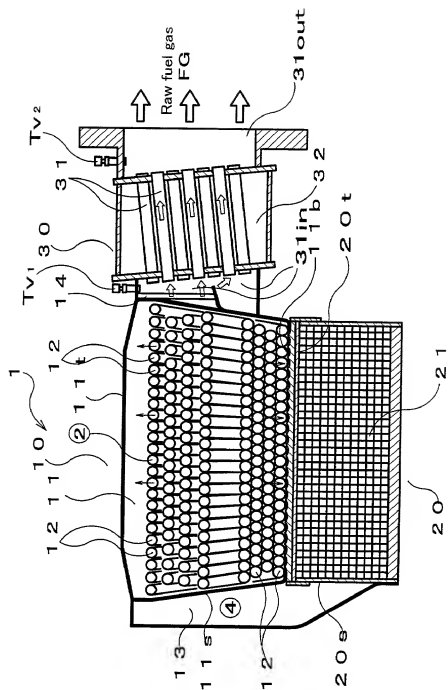


FIG.27

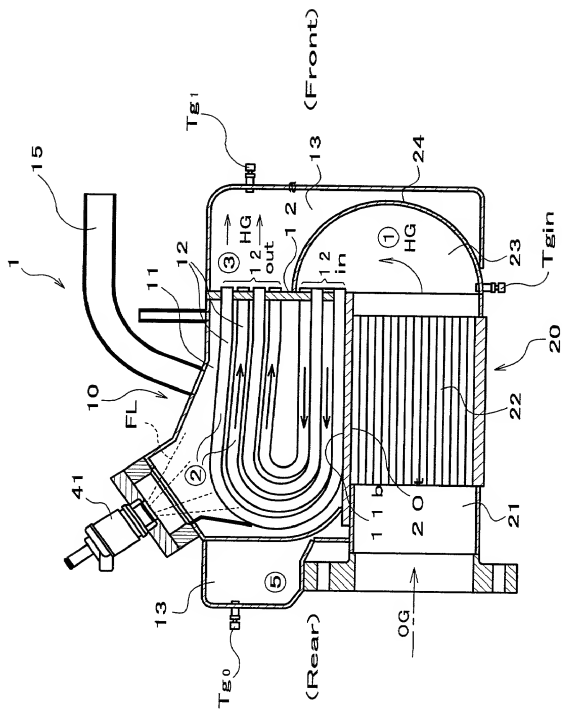


FIG.28

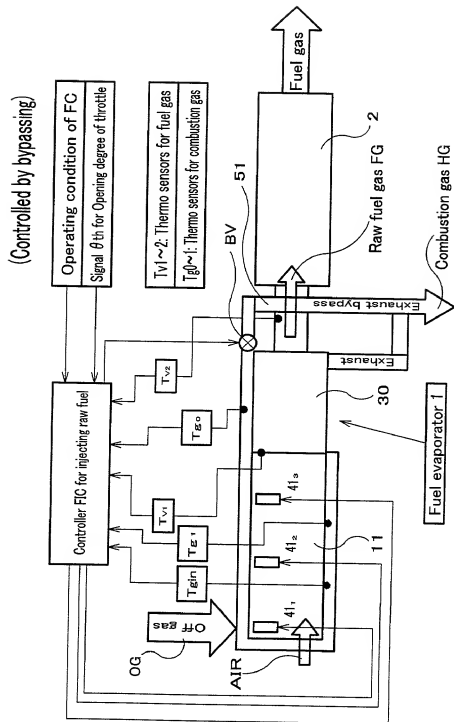


FIG.29

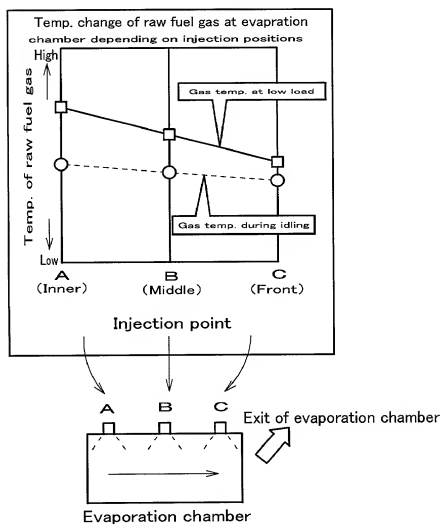
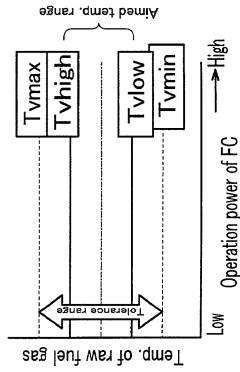


FIG.30

(a)



(b)

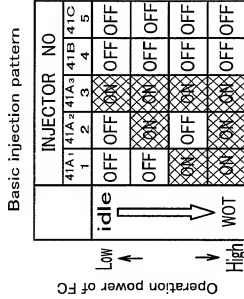


FIG 31

Stationary

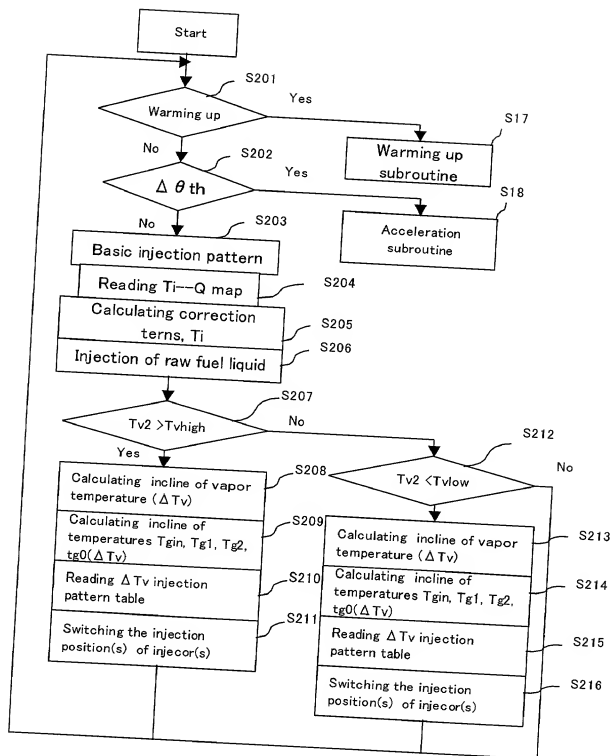


FIG 32

Acceleration

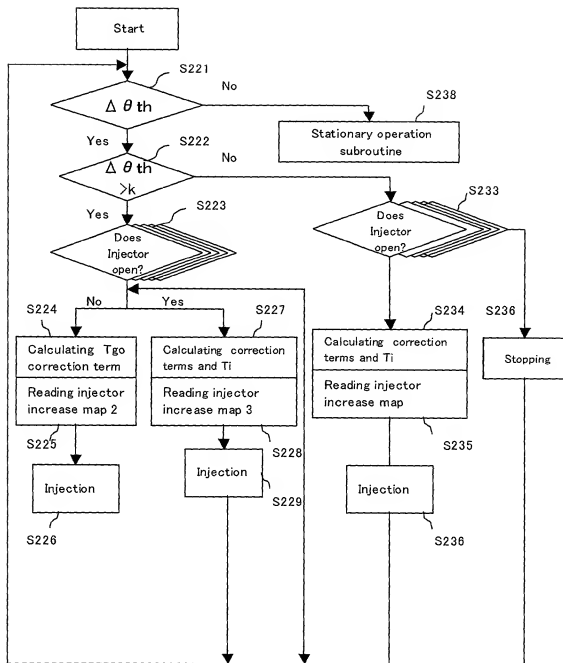


FIG 33

Controlled by bypassing

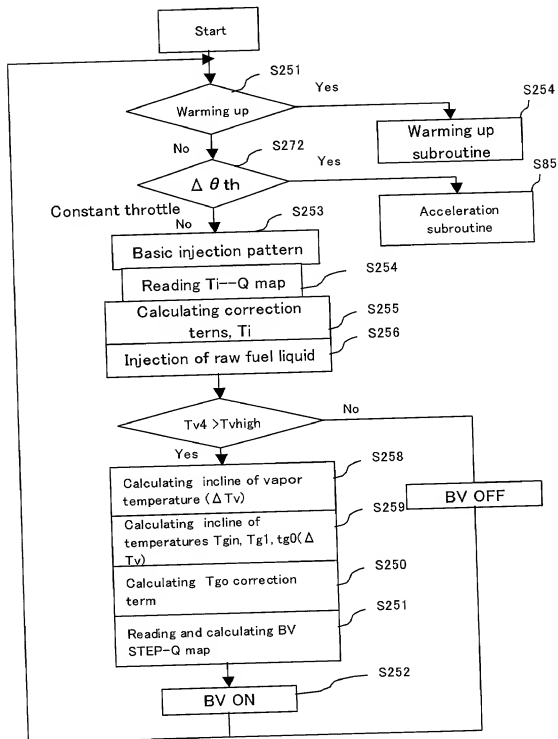


FIG.34

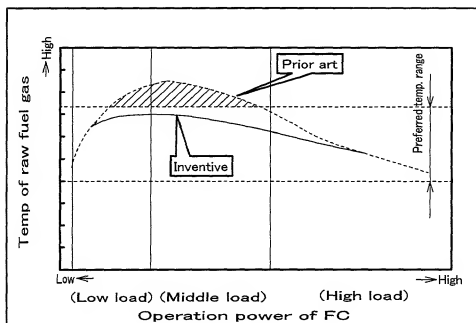


FIG.35

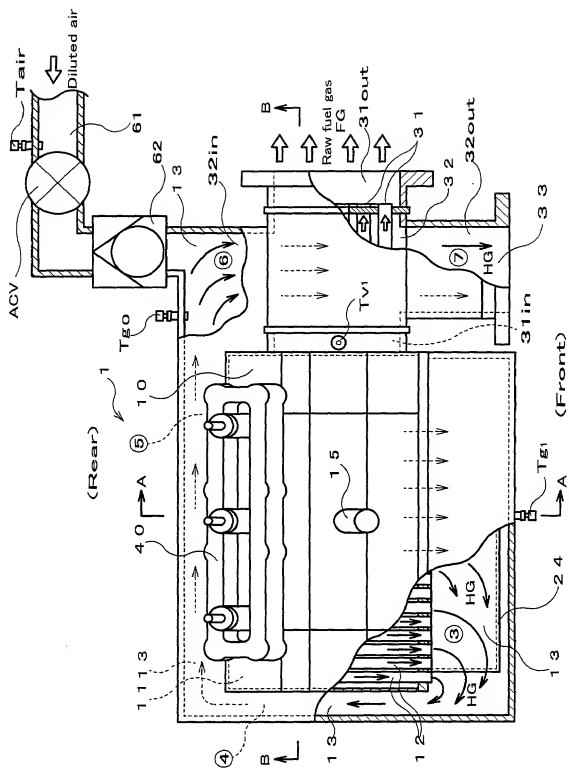


FIG. 36

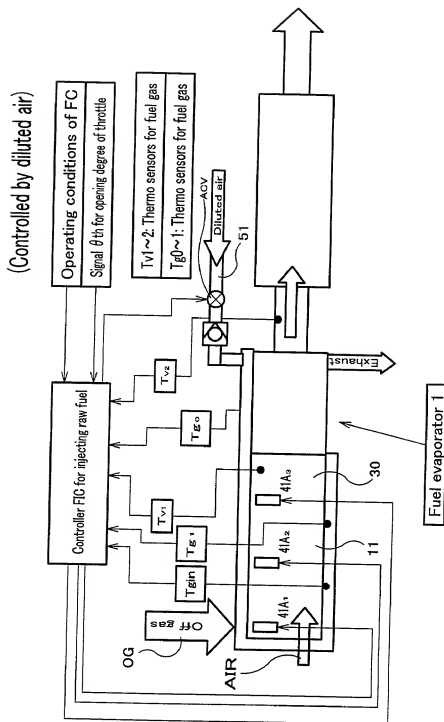


FIG 37
Controlled by Diluted Air

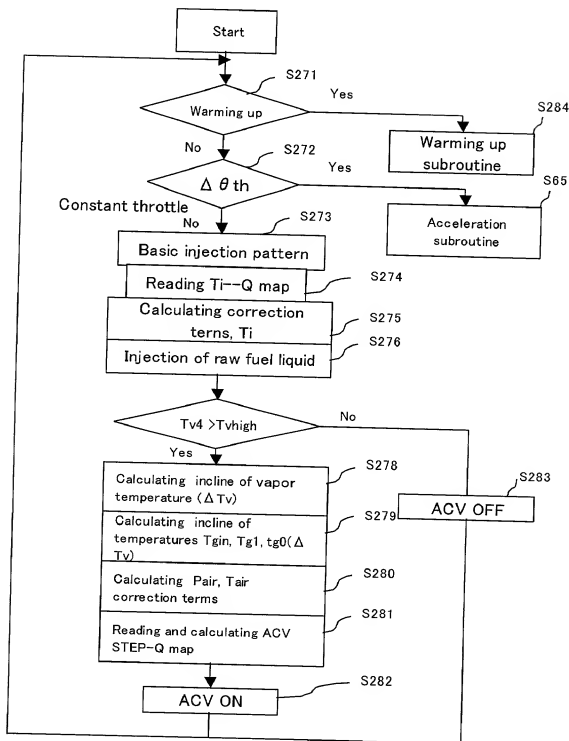


FIG.38

Prior art

